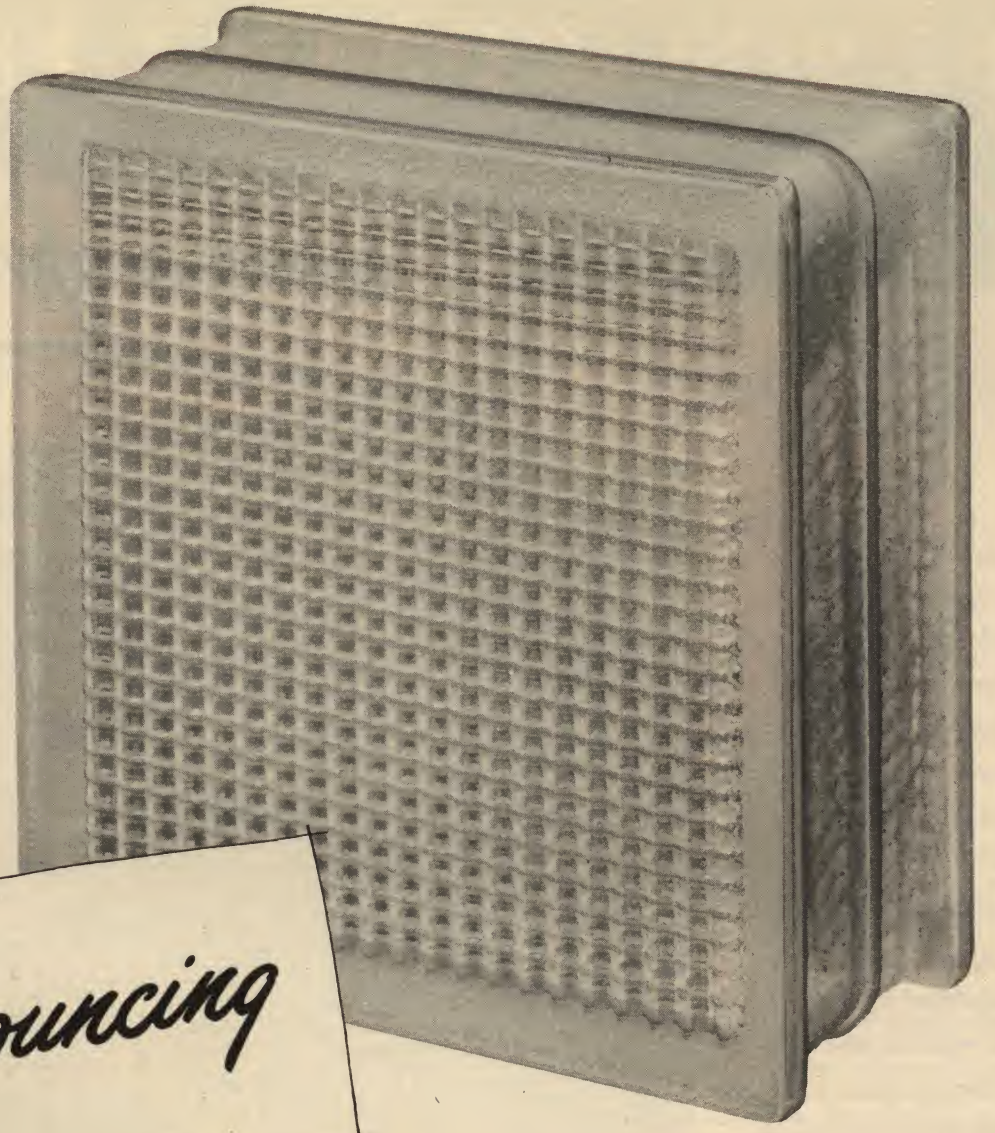


Announcing

. . . the newly-designed glass block,

PC SOFT-LITE PRISM B

—an important improvement in light control on sunlit exposures

PITTSBURGH® PC CORNING

PC Glass Blocks—The Mark of a Modern Building

PITTSBURGH CORNING CORPORATION

632 DUQUESNE WAY PITTSBURGH 22, PA.

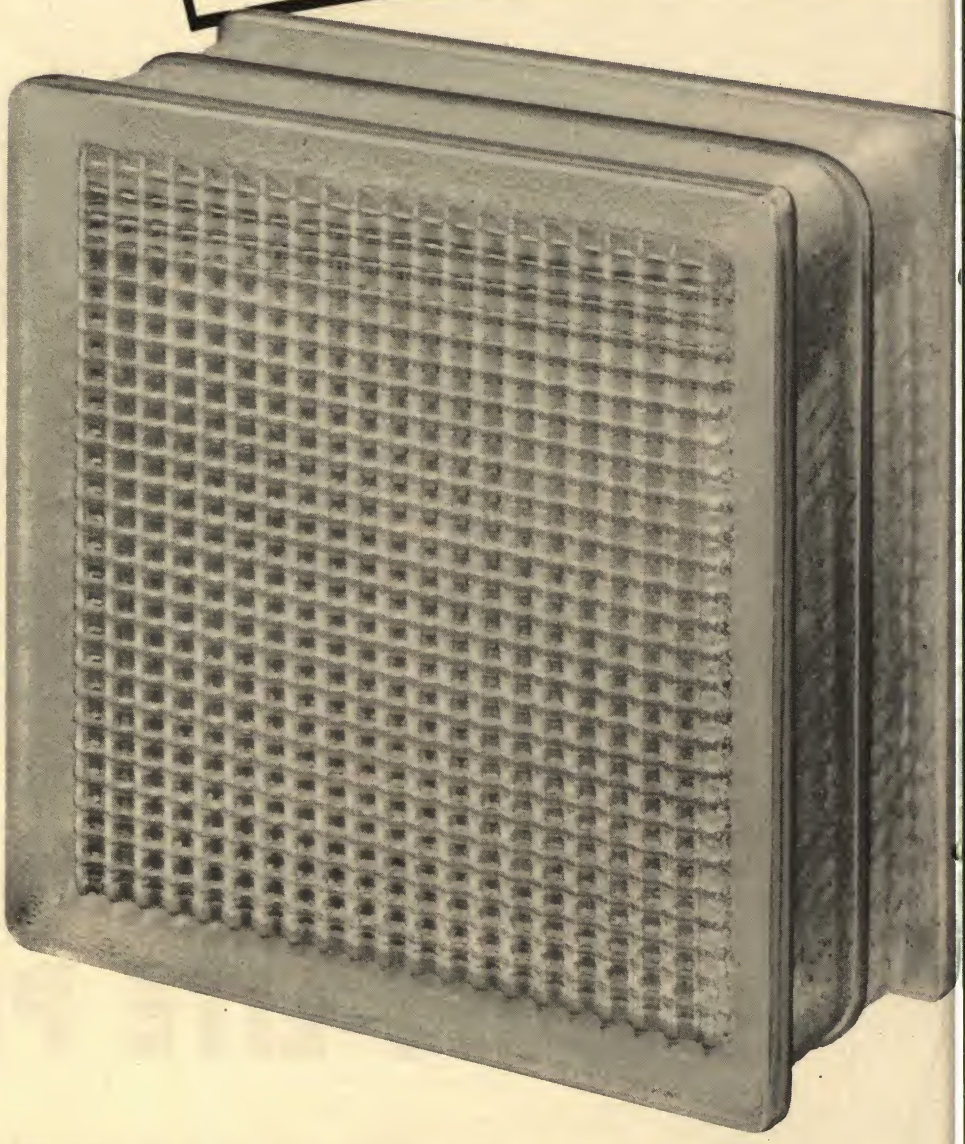
For better control o

THE REVOLUTIONARY NEW P

Another *first* For

The long established leadership of Pittsburgh Corning Corporation in technical research in the glass block industry is being maintained by the introduction of our latest improvement in design and construction, the new PC Soft-Lite Prism B Glass Block.

Pittsburgh Corning was first to introduce the glass-to-glass seal, which made glass blocks a completely practical building material; first to eliminate light color changes by using water-white glass; first to introduce the general vision block (Vue pattern) still unequalled in its field; first to use a fibrous glass diffusing and insulating screen (LX-75 patterns); and now—after years of development work and test installations in different parts of the country—first to offer you the unique advantages embodied in PC Soft-Lite Prism B Glass Blocks.



ITS DISTINCTIVE FACE PATTERN makes the PC Soft-Lite Prism B Glass Block a thing of beauty as well as utility. In panels of all sizes and shapes, these blocks lend a new attractive note to the outer appearance of all sorts of buildings, harmonize with all types of architecture. PC Soft-Lite Prism B Glass Blocks embody all the familiar advantages of other PC patterns—excellent insulating properties, freedom from repairs and replacement, quick and easy cleaning—plus the unique ability to distribute softly diffused daylight over large areas on sun exposures.

PC GLASS BLOCKS..

daylight on sun exposures—

SOFT-LITE PRISM B GLASS BLOCK

Pittsburgh Corning

Meets Daylighting Needs

Lighting engineers have long recognized the need for an improved means of daylighting classrooms, large offices, factories and department stores where the light, coming from openings exposed to sunlight, must be softly diffused and evenly distributed over large areas. They felt the need also to minimize brightness contrasts in task areas and to eliminate excess brightness contrasts on room-side surfaces of glass blocks.

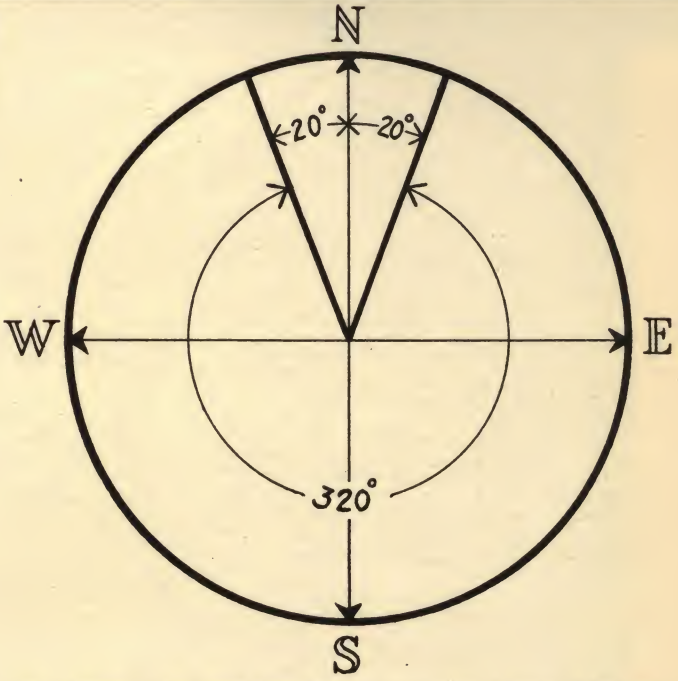
Under like conditions, the newly designed PC Soft-Lite Prism B Glass Blocks diffuse and refract incident daylight—including direct sunlight—over a greater area of reflecting ceiling, whence it is distributed more evenly over larger areas. The result is, more usable light in the right places.

New Prisms — New Soft-Lite Edge

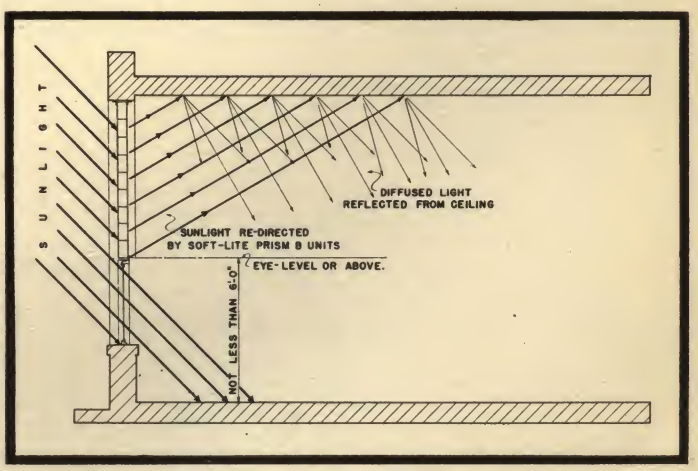
The lighting problems on East, South and West exposures include admittance of sufficient daylight without excess brightness, even on sunny days. This is accomplished—with PC Soft-Lite Prism B Glass Blocks—by a unique combination of interior prisms and the new Soft-Lite edge.

The prisms diffuse and direct the light to the reflecting ceiling whence it is distributed evenly over task areas. The Soft-Lite edge minimizes brightness contrasts between mortar joints, block edges and the remainder of the block face. In fact the new Soft-Lite edge transmits just enough light to provide a comfortable transition between the lighter block surface and the darker mortar joint.

If lighting rooms of all sizes in your buildings presents unusual problems, our lighting engineers will be glad to consult with you, to determine where and why you should use functional PC Glass Blocks to the best advantage. Also, we have recently published booklets—which give full information on the use of PC Glass Blocks in industrial, commercial and public buildings—which we shall be glad to mail to you without obligation. Just write to Pittsburgh Corning Corporation, Room 703-8, 632 Duquesne Way, Pittsburgh 22, Pa.



EAST, SOUTH, AND WEST EXPOSURES—comprising 320° of the compass—receive direct sunlight during certain hours of the day and seasons of the year. This chart illustrates this wide range of exposures where PC Soft-Lite Prism B Glass Blocks should be used to provide softly diffused, evenly distributed daylight without excess brightness contrast. The 20° exposures on each side of true North are practically never exposed to the sun's rays—hence, do not present such an exacting lighting problem.



This diagram shows typical light paths into a room from a panel of PC Soft-Lite Prism B Glass Blocks. Incident daylight is diverted to a wide area of reflecting ceiling, whence it is distributed evenly over large areas.

...The Mark of a Modern Building

(A MODULAR PRODUCT)

In addition to their special light-controlling properties

PC SOFT-LITE PRISM B GLASS BLOCKS

embody all these well-known advantages of other PC patterns

Better Lighting. PC Glass Blocks provide an abundance of clear, diffused daylight without color change. Larger light openings and continuous panels admit more daylight and distribute it over larger areas.

Better Insulation. PC Glass Blocks have more than twice the insulating value of ordinary windows. Each block contains a hollow, sealed-in air space that is an effective heat retardant, so panels of PC Glass Blocks consist of many insulating units, thus help maintain temperatures at desired levels and reduce heating costs.

The insulating properties of PC Glass Blocks also eliminate waste space due to cold spots, chilling drafts and down draft near windows, which interfere with machine operation and make people uncomfortable.

Less Condensation. The use of PC Glass Blocks often proves advantageous where surface condensation on windows is a problem. For moisture does not condense on the warm side of PC Glass Blocks except under extreme conditions of temperature and humidity.

Less Infiltration of Dust and Grit. Harmful dust and grit cannot filter through panels of PC Glass Blocks. Dangerous or offensive gases, smoke and soot, also are excluded, preventing damage to delicate machinery and goods in process.

More Privacy. Since PC Glass Blocks are translucent—but not transparent (except the Vue pattern) —they admit plenty of diffused daylight, but still preserve privacy. They cut off unsightly and distracting views, tend to confine inside noises and to exclude distracting sounds which originate outside.

Better Air Conditioning. The insulating properties of PC Glass Blocks assure less heat loss in winter, less heat gain in summer. Solar heat transmission and radiation are reduced. All of which results in actual money savings and less wear and tear on heating and air-conditioning equipment.

Easier Cleaning. Large panels of PC Glass Blocks can be cleaned as single units. There are no small panes or muntins, so the smooth glass surface can be covered in one sweep. Translucent panels of PC Glass Blocks look clean long after ordinary windows would look streaked and spotty.

Lower Maintenance Cost. With PC Glass Blocks there is no window sash to check, rot or rust, to need replacement or repainting. There are no fragile panes of glass to need frequent replacement. The blocks are not easily marred or broken. If replacement of a single block should become necessary, it can be done easily by any mason.

Easier Installation. Masons find PC Glass Blocks easy to lay. Their edge construction forms a "key-lock" mortar joint, providing a full bed of mortar, yet permitting a visible joint of only about ¼ inch, resulting in a trim panel that is pleasing to the eye. The "key-lock" joint is also easier to handle in laying.

For further information or any technical data you need, write to Pittsburgh Corning Corporation, 632 Duquesne Way, Pittsburgh 22, Pa. Also makers of PC Foamglas Insulation.

Manufactured by

PITTSBURGH CORNING CORPORATION

Distributed by

PITTSBURGH PLATE GLASS COMPANY

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and by Hobbs Glass Ltd. in Canada

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